

ICT

Preparation book

4th Prim



2024 - 2025

Teacher's Biography



Name:

School:

The educational administration:.....

Qualification:

Teaching Subject:

Comprehensive School:

The school to which he is delegated:

Date of appointment:

The job is on the staff:

Teacher Code:

Mobile Number:

Teacher

.....

Supervisor

.....

School Principal

.....



Daily Class Schedule

Period Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Period Day	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth
Saturday									
Sunday									
Monday									
Tuesday									
Wednesday									
Thursday									

Teacher

.....

Supervisor

.....

School Principal

.....

The specific objectives of computer



- **Providing** students with the appropriate amount of scientific and basic knowledge and skills related to how to solve problems
- **Develop** basic scientific thinking skills
- **Gaining** the ability to use technical means , multimedia, and networks and employing them as tools to serve and integrate with different fields of study
- **Training** students to work in a team by practicing computer techniques
- **create** Websites and define their properties
- **Developing** students' awareness of the importance of technological awareness and cultural communication
- **Acquisition of** concepts of the principles of designing web pages
- **appreciation** of the role played by science and scientists
- **recognize** On the suite of Microsoft Office programs
- **Raising** students' awareness of the concept of information ethics and the rules of safe use of the Internet
- **It collects** data and presents it in an interesting way

Teacher

.....

Supervisor

.....

School Principal

.....



The specific objectives of computer and information technology

- **Identify** some technology used to explore the earth.
- **Explain** the different terms for technology.
- **Discuss** the history of ICT.
- **Discuss** How to use Technology in our daily life.
- **Explain** the main components of a computer system.
- **Explain** the basic functions of operating systems and software
- **Realize** the importance of the operating system of a computer
- **Explain** the definition of assistive technology
- **Discusses** how technology is improving the lives of people of determination
- **Suggest** a technology that can contribute to improving the lives of others
- **Discuss** the problems he has experienced at school or at home.
- **Suggest** solutions to common ICT problems.
- **Explain** why technological solutions must match people's lives
- **Describe** online risks and dangers.
- **Explain the** importance of keeping personal information privacy.
- **Discuss** the method of choosing words key to be used in the research Online
- **Realize** the importance of search engines for children
- **Define** the characteristics of sources reliable online sources.
- **Describe** reliable sources of information and unreliable online.
- **Explain** the purpose of Egyptian knowledge bank.
- **Describe** the role of control management Internet crimes
- **Realize** importance of creating strong password.
- **Discuss** the importance of good anti-viruses software.
- **Identify** an important topic to raise awareness.

Teacher

.....

Supervisor

.....

School Principal

.....



**Distribution of the content of computer,
Information Technology and communication
For the 4th primary grade –
First term for year 2024-2025**

The first axis: (The role of information and communication technology in our lives)

1		Lesson 1	Active Explorer
		Lesson 2	The evolution of technology
2		Lesson 3	Components of computer systems
		Lesson 4	Software and Operating Systems
3		Lesson 5	Supporting people of determination
		Lesson 6	Common Problems and Solutions
4		Lesson 7	collecting, analyzing, and graphing data
		Lesson 8	Reporting findings
5		General review on the first axis	

The second axis: (Digital safety and security precautions)

6		Lesson 1	Active Explorer
		Lesson 2	Online dangers and how to be safe
7		Lesson 3	Using ICT tools in a healthy and ethical way
		Lesson 4	How to search online
8		Lesson 5	How to check whether information online is true
		Lesson 6	Who can help you with online problems
9		Lesson 7	My personal digital safety plan
		Lesson 8	Practicing what you learned
10		General review on the second axis	

Teacher

.....

Supervisor

.....

School Principal

.....

Scope and sequence



THEME I The role of ICT in our lives

Essential Question: How can we use technology effectively?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life Skills	Values	Issues and challenges
LESSON 1 Explorer in Action	<ul style="list-style-type: none"> How archaeologists use ICT in their jobs and daily life Technology used to explore the earth 	Learning to know: critical thinking; problem solving	Academic values: appreciation of science and scientists	Issues of globalization: technological awareness
LESSON 2 The evolution of technology	<ul style="list-style-type: none"> The history of ICT How technology is used in our daily life Practice of typing skills 	Learning to know: critical thinking; problem solving Learning to be: communication; self-management	Academic values: appreciation of science and scientists; curiosity	Issues of globalization: technological awareness
LESSON 3 Components of computer systems	<ul style="list-style-type: none"> The main components of computer systems Input, output and data Different types of computer hardware 	Learning to do: collaboration Learning to know: creativity; problem solving	Academic values: perseverance	Issues of globalization: digital citizenship
LESSON 4 Software and operating systems	<ul style="list-style-type: none"> Operating systems and software How a computer communicates 	Learning to be: communication Learning to know: creativity	Work values: collaboration	Issues of globalization: technological awareness
LESSON 5 Supporting people of determination	<ul style="list-style-type: none"> Assistive technology How technology can improve the lives of people of determination 	Learning to know: creativity Learning to live together: empathy; respect for diversity	Co-existence values: respect; tolerance and acceptance	Non-discrimination issues: discrimination against people with special needs
LESSON 6 Common ICT problems and solutions	<ul style="list-style-type: none"> Common ICT problems Solutions to common ICT problems 	Learning to know: creativity; problem solving		Issues of globalization: technological awareness
LESSON 7 Collecting, analyzing and graphing data	<ul style="list-style-type: none"> Digital tools to organize data Collecting, analyzing and graphing data 	Learning to be: communication Learning to live together: participation	Academic values: objectivity	
LESSON 8 Reporting findings	<ul style="list-style-type: none"> Different ways to communicate electronically 	Learning to be: communication Learning to know: creativity; critical thinking	Co-existence values: participation	Issues of globalization: entrepreneurship



THEME 2 Digital safety and security precautions

Essential Question: How can you be safe and use reliable sources when online?

LESSON	TOPICS	SKILLS INTEGRATION		
		Life Skills	Values	Issues and challenges
LESSON 1 Explorer in Action	<ul style="list-style-type: none"> How scientists use ICT in their jobs and daily life How technology can help to communicate information 	Learning to know: critical thinking; problem solving	Academic values: appreciation of science and scientists	Health and population issues: therapeutic health
LESSON 2 Online dangers and how to be safe	<ul style="list-style-type: none"> Online risks and dangers The importance of keeping personal information private Staying safe online 	Learning to be: communication Learning to know: critical thinking	Personal values: independence	Citizenship issues: awareness of duties and rights
LESSON 3 Using ICT tools in a healthy and ethical way	<ul style="list-style-type: none"> Posting online Crediting others Respecting the law The positive effects of ICT tools 	Learning to live together: respect for diversity Learning to be: accountability	Co-existence values: respect; tolerance and acceptance	Citizenship issues: legal awareness Non-discrimination issues: discrimination against people with special needs
LESSON 4 How to search online	<ul style="list-style-type: none"> Safe online searches Choosing key words for an online search 	Learning to be: communication; self-management Learning to know: critical thinking	Personal values: independence	Issues of globalization: technological awareness
LESSON 5 How to check whether information online is true	<ul style="list-style-type: none"> Reliable and unreliable online sources The Egyptian Knowledge Bank 	Learning to know: critical thinking	Academic values: curiosity; objectivity	Issues of globalization: digital citizenship
LESSON 6 Who can help you with online problems?	<ul style="list-style-type: none"> Online bullying and inappropriate content What to do about online problems 	Learning to do: decision-making Learning to live together: empathy		Citizenship issues: legal awareness Issues of globalization: digital citizenship
LESSON 7 My personal digital safety plan	<ul style="list-style-type: none"> Identifying and creating strong passwords The importance of good anti-virus software Protecting devices from possible online dangers 	Learning to know: creativity; critical thinking	Academic values: objectivity	Issues of globalization: technological awareness
LESSON 8 Practicing what you learned	<ul style="list-style-type: none"> Researching and presenting a topic safely and effectively 	Learning to do: collaboration	Co-existence values: participation Personal values: independence	Issues of globalization: technological awareness

Date						
Class						
Session						



First Axis(The role of ICT in our lives)

Lesson 3: Components of computer system

Lesson objectives: By the end of this lesson the student will be able to:

- **Explain** the main components of a computer system.
- **Identify** the concept of input, output, and data
- **Describe** different types of computer hardware.

Strategy:

Dialogue and discussion - practical training

Teaching aids:

Electronic board - - presentation - cards for computer components

Warm Up :

what are the shapes of computer ?

Lesson Presentation

Evaluation :

Date						
Class						
Session						

First Axis(The role of ICT in our lives)
Lesson 5: Supporting people of determination

Lesson objectives: By the end of this lesson the student will be able to:

- **Explain** the definition of assistive technology
- **Discuss** how technology is improving the lives of people of determination
- **Suggest** a technology that can contribute to improving the lives of others

Strategy:

Critical thinking - Active learning

Teaching aids:

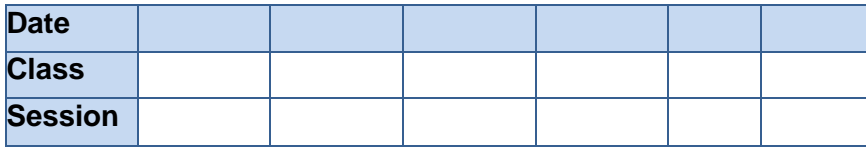
- Electronic board - video- presentation

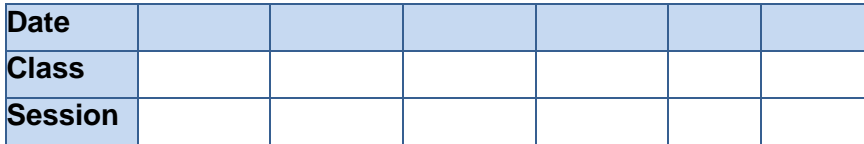
Warm Up :

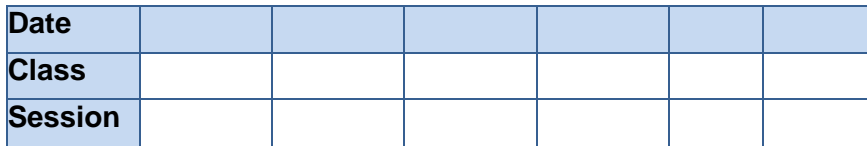
How can technology help people with determination?

Lesson Presentation

Evaluation :

[illegible]



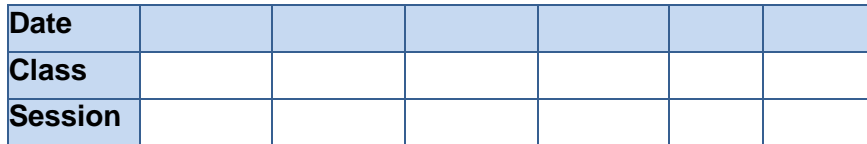


Second Axis

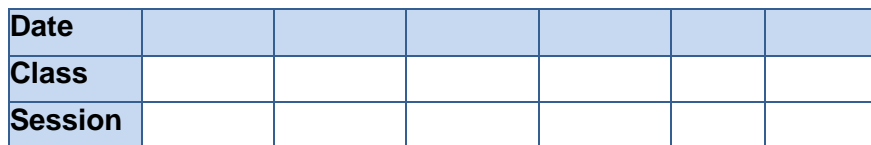


2

2024 - 2025



الفصل الدراسي الأول اعداد وتصميم/ جروب فريق أصدقاء الكمبيوتر المتخصص





Date						
Class						
Session						

Second Axis(Digital safety and security precautions)
Lesson 4: How to search online

Lesson objectives: By the end of this lesson the student will be able to:

- **Explain** how to use browsers to search safely and correctly.
- **Discuss** the method of choosing words key to be used in the research Online
- **Realize** the importance of search engines for children

Strategy:

Practical training - dialogue and discussion - critical thinking

Teaching aids:

Electronic board - textbook - presentation

Warm Up :

Do you always find the information you need when you search?

Lesson Presentation

Evaluation :



Date						
Class						
Session						

Second Axis(Digital safety and security precautions)
Lesson 5: Reliable and unreliable resources

Lesson objectives: By the end of this lesson the student will be able to:

- **Define** the characteristics of sources reliable online sources.
- **Describe** reliable sources of information and unreliable online .
- **Explain** the purpose of Egyptian knowledge bank.

Strategy:

Brainstorming - dialogue and discussion - active learning - role playing

Teaching aids:

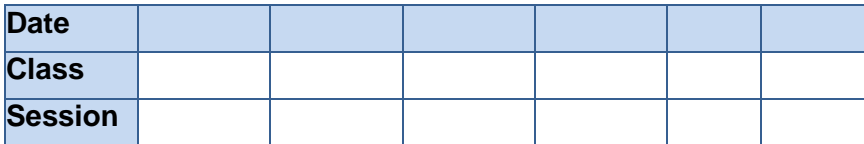
Electronic whiteboard - textbook - presentation - video

Warm Up :

How do you know whether the information you find online is true?

Lesson Presentation

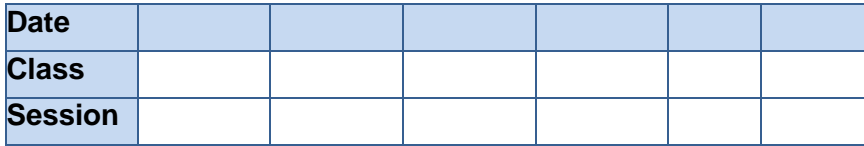
Evaluation :



Lesson 7 : Who can help you with online problems

Why is it important to have a strong password?

الفصل الدراسي الأول اعداد وتصميم/ جروب فريق أصدقاء الكمبيوتر المتخصص



الفصل الدراسي الأول اعداد وتصميم/ جروب فريق أصدقاء الكمبيوتر المتخصص

